

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	8.5	5	35
Health status	0.8	0.4	0	1
Stress level	2.5	1.2	1	4
Life satisfaction	3.2	1.5	1	5
Work engagement	4.1	1.8	1	6
Organizational commitment	3.8	1.6	1	5
Turnover intention	1.2	0.8	0	3
Job satisfaction	3.5	1.4	1	5
Perceived organizational support	3.1	1.3	1	5
Psychological distance	2.8	1.1	1	4
Trust in supervisor	3.3	1.2	1	5
Team cohesion	3.6	1.4	1	5
Communication	3.4	1.3	1	5
Conflict resolution	3.7	1.5	1	5
Leadership	3.9	1.6	1	5
Team performance	4.2	1.7	1	6
Organizational performance	4.5	1.8	1	6
Customer satisfaction	4.3	1.6	1	6
Employee retention	4.1	1.5	1	6
Organizational culture	4.4	1.7	1	6
Work-life balance	3.8	1.4	1	5
Job security	3.6	1.3	1	5
Employee well-being	3.9	1.5	1	5
Organizational innovation	4.2	1.6	1	6
Employee engagement	4.0	1.5	1	6
Organizational commitment	3.7	1.4	1	5
Turnover intention	1.1	0.7	0	3
Job satisfaction	3.4	1.3	1	5
Perceived organizational support	3.0	1.2	1	5
Psychological distance	2.7	1.0	1	4
Trust in supervisor	3.2	1.1	1	5
Team cohesion	3.5	1.3	1	5
Communication	3.3	1.2	1	5
Conflict resolution	3.6	1.4	1	5
Leadership	3.8	1.5	1	5
Team performance	4.1	1.6	1	6
Organizational performance	4.4	1.7	1	6
Customer satisfaction	4.2	1.5	1	6
Employee retention	4.0	1.4	1	6
Organizational culture	4.3	1.6	1	6
Work-life balance	3.7	1.3	1	5
Job security	3.5	1.2	1	5
Employee well-being	3.8	1.4	1	5
Organizational innovation	4.1	1.5	1	6
Employee engagement	3.9	1.4	1	6
Organizational commitment	3.6	1.3	1	5
Turnover intention	1.0	0.6	0	3
Job satisfaction	3.3	1.2	1	5
Perceived organizational support	2.9	1.1	1	5
Psychological distance	2.6	0.9	1	4
Trust in supervisor	3.1	1.0	1	5
Team cohesion	3.4	1.2	1	5
Communication	3.2	1.1	1	5
Conflict resolution	3.5	1.3	1	5
Leadership	3.7	1.4	1	5
Team performance	4.0	1.5	1	6
Organizational performance	4.3	1.6	1	6
Customer satisfaction	4.1	1.4	1	6
Employee retention	3.9	1.3	1	6
Organizational culture	4.2	1.5	1	6
Work-life balance	3.6	1.2	1	5
Job security	3.4	1.1	1	5
Employee well-being	3.7	1.3	1	5
Organizational innovation	4.0	1.4	1	6
Employee engagement	3.8	1.3	1	6
Organizational commitment	3.5	1.2	1	5
Turnover intention	0.9	0.5	0	3
Job satisfaction	3.2	1.1	1	5
Perceived organizational support	2.8	1.0	1	5
Psychological distance	2.5	0.8	1	4
Trust in supervisor	3.0	0.9	1	5
Team cohesion	3.3	1.1	1	5
Communication	3.1	1.0	1	5
Conflict resolution	3.4	1.2	1	5
Leadership	3.6	1.3	1	5
Team performance	3.9	1.4	1	6
Organizational performance	4.2	1.5	1	6
Customer satisfaction	4.0	1.3	1	6
Employee retention	3.8	1.2	1	6
Organizational culture	4.1	1.4	1	6
Work-life balance	3.5	1.1	1	5

Ser Glu Gly Asn Ser Asp

1

5

<210> 4  
<211> 12  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: coding  
sequence of the N-terminal part of K2S molecule

<400> 4  
tctgagggaa ac 12

<210> 5  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: coding  
sequence of the N-terminal part of K2S molecule

<400> 5  
tctgagggaa acagtgc 18

<210> 6  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: oligonucleotide  
sequence

<400> 6  
gaggaggagg tggcccaggc ggcctctgag ggaaacagtgc ac 42

<210> 7  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: oligonucleotide  
sequence

<400> 7  
gaggaggagc tggccggcct ggcccgggtcg catgttgtca cg 42

<210> 8  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: oligonucleotide

Top Secret

sequence

<400> 8  
acatgacgacc gtgacaggcc ggccag 26

<210> 9  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: oligonucleotide  
sequence

<400> 9  
ctggccggcc tgtcacggtc gcatgt 26

<210> 10  
<211> 354  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule

<400> 10  
Ser Glu Gly Asn Ser Asp Cys Tyr Phe Gly Asn Gly Ser Ala Tyr Arg  
1 5 10 15  
Gly Thr His Ser Leu Thr Glu Ser Gly Ala Ser Cys Leu Pro Trp Asn  
20 25 30  
Ser Met Ile Leu Ile Gly Lys Val Tyr Thr Ala Gln Asn Pro Ser Ala  
35 40 45  
Gln Ala Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Gly  
50 55 60  
Asp Ala Lys Pro Trp Cys His Val Leu Lys Asn Arg Arg Leu Thr Trp  
65 70 75 80  
Glu Tyr Cys Asp Val Pro Ser Cys Ser Thr Cys Gly Leu Arg Gln Tyr  
85 90 95  
Ser Gln Pro Gln Phe Arg Ile Lys Gly Gly Leu Phe Ala Asp Ile Ala  
100 105 110  
Ser His Pro Trp Gln Ala Ala Ile Phe Ala Lys His Arg Arg Ser Pro  
115 120 125  
Gly Glu Arg Phe Leu Cys Gly Gly Ile Leu Ile Ser Ser Cys Trp Ile  
130 135 140  
Leu Ser Ala Ala His Cys Phe Gln Glu Arg Phe Pro Pro His His Leu  
145 150 155 160  
Thr Val Ile Leu Gly Arg Thr Tyr Arg Val Val Pro Gly Glu Glu Glu  
165 170 175

00991512512560

Gln Lys Phe Glu Val Glu Lys Tyr Ile Val His Lys Glu Phe Asp Asp  
180 185 190

Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu Gln Leu Lys Ser Asp Ser  
195 200 205

Ser Arg Cys Ala Gln Glu Ser Ser Val Val Arg Thr Val Cys Leu Pro  
210 215 220

Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr Glu Cys Glu Leu Ser Gly  
225 230 235 240

Tyr Gly Lys His Glu Ala Leu Ser Pro Phe Tyr Ser Glu Arg Leu Lys  
245 250 255

Glu Ala His Val Arg Leu Tyr Pro Ser Ser Arg Cys Thr Ser Gln His  
260 265 270

Leu Leu Asn Arg Thr Val Thr Asp Asn Met Leu Cys Ala Gly Asp Thr  
275 280 285

Arg Ser Gly Gly Pro Gln Ala Asn Leu His Asp Ala Cys Gln Gly Asp  
290 295 300

Ser Gly Gly Pro Leu Val Cys Leu Asn Asp Gly Arg Met Thr Leu Val  
305 310 315 320

Gly Ile Ile Ser Trp Gly Leu Gly Cys Gly Gln Lys Asp Val Pro Gly  
325 330 335

Val Tyr Thr Lys Val Thr Asn Tyr Leu Asp Trp Ile Arg Asp Asn Met  
340 345 350

Arg Pro

<210> 11  
<211> 331  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule

<400> 11  
Ser Gly Ala Ser Cys Leu Pro Trp Asn Ser Met Ile Leu Ile Gly Lys  
1 5 10 15

Val Tyr Thr Ala Gln Asn Pro Ser Ala Gln Ala Leu Gly Leu Gly Lys  
20 25 30

His Asn Tyr Cys Arg Asn Pro Asp Gly Asp Ala Lys Pro Trp Cys His  
35 40 45

Val Leu Lys Asn Arg Arg Leu Thr Trp Glu Tyr Cys Asp Val Pro Ser  
50 55 60

Cys Ser Thr Cys Gly Leu Arg Gln Tyr Ser Gln Pro Gln Phe Arg Ile  
65 70 75 80

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Lys Gly Gly Leu Phe Ala Asp Ile Ala Ser His Pro Trp Gln Ala Ala  
85 90 95

Ile Phe Ala Lys His Arg Arg Ser Pro Gly Glu Arg Phe Leu Cys Gly  
100 105 110

Gly Ile Leu Ile Ser Ser Cys Trp Ile Leu Ser Ala Ala His Cys Phe  
115 120 125

Gln Glu Arg Phe Pro Pro His His Leu Thr Val Ile Leu Gly Arg Thr  
130 135 140

Tyr Arg Val Val Pro Gly Glu Glu Glu Gln Lys Phe Glu Val Glu Lys  
145 150 155 160

Tyr Ile Val His Lys Glu Phe Asp Asp Asp Thr Tyr Asp Asn Asp Ile  
165 170 175

Ala Leu Leu Gln Leu Lys Ser Asp Ser Ser Arg Cys Ala Gln Glu Ser  
180 185 190

Ser Val Val Arg Thr Val Cys Leu Pro Pro Ala Asp Leu Gln Leu Pro  
195 200 205

Asp Trp Thr Glu Cys Glu Leu Ser Gly Tyr Gly Lys His Glu Ala Leu  
210 215 220

Ser Pro Phe Tyr Ser Glu Arg Leu Lys Glu Ala His Val Arg Leu Tyr  
225 230 235 240

Pro Ser Ser Arg Cys Thr Ser Gln His Leu Leu Asn Arg Thr Val Thr  
245 250 255

Asp Asn Met Leu Cys Ala Gly Asp Thr Arg Ser Gly Gly Pro Gln Ala  
260 265 270

Asn Leu His Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys  
275 280 285

Leu Asn Asp Gly Arg Met Thr Leu Val Gly Ile Ile Ser Trp Gly Leu  
290 295 300

Gly Cys Gly Gln Lys Asp Val Pro Gly Val Tyr Thr Lys Val Thr Asn  
305 310 315 320

Tyr Leu Asp Trp Ile Arg Asp Asn Met Arg Pro  
325 330

<210> 12

<211> 339

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule (modified)

<400> 12

Ser Glu Gly Asn Ser Leu Thr Glu Ser Gly Ala Ser Cys Leu Pro Trp  
1 5 10 15

[illegible]

<220>  
<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule (modified)

<400> 13															
Ser 1	Leu	Thr	Glu	Ser 5	Gly	Ala	Ser	Cys	Leu 10	Pro	Trp	Asn	Ser	Met 15	Ile
Leu	Ile	Gly	Lys 20	Val	Tyr	Thr	Ala	Gln 25	Asn	Pro	Ser	Ala	Gln 30	Ala	Leu
Gly	Leu	Gly 35	Lys	His	Asn	Tyr	Cys 40	Arg	Asn	Pro	Asp	Gly 45	Asp	Ala	Lys
Pro	Trp 50	Cys	His	Val	Leu	Lys 55	Asn	Arg	Arg	Leu	Thr 60	Trp	Glu	Tyr	Cys
Asp 65	Val	Pro	Ser	Ser	Ser 70	Thr	Cys	Gly	Leu	Arg 75	Gln	Tyr	Ser	Gln	Pro 80
Gln	Phe	Arg	Ile	Lys 85	Gly	Gly	Leu	Phe	Ala 90	Asp	Ile	Ala	Ser	His 95	Pro
Trp	Gln	Ala	Ala 100	Ile	Phe	Ala	Lys	His 105	Arg	Arg	Ser	Pro	Gly 110	Glu	Arg
Phe	Leu	Cys 115	Gly	Gly	Ile	Leu	Ile 120	Ser	Ser	Cys	Trp	Ile 125	Leu	Ser	Ala
Ala	His 130	Cys	Phe	Gln	Glu	Arg 135	Phe	Pro	Pro	His	His 140	Leu	Thr	Val	Ile
Leu 145	Gly	Arg	Thr	Tyr	Arg 150	Val	Val	Pro	Gly	Glu 155	Glu	Glu	Gln	Lys	Phe 160
Glu	Val	Glu	Lys 165	Tyr	Ile	Val	His	Lys	Glu 170	Phe	Asp	Asp	Asp	Thr 175	Tyr
Asp	Asn	Asp	Ile 180	Ala	Leu	Leu	Gln	Leu 185	Lys	Ser	Asp	Ser	Ser 190	Arg	Cys
Ala	Gln 195	Glu	Ser	Ser	Val	Val	Arg 200	Thr	Val	Cys	Leu	Pro 205	Pro	Ala	Asp
Leu	Gln 210	Leu	Pro	Asp	Trp	Thr 215	Glu	Cys	Glu	Leu	Ser 220	Gly	Tyr	Gly	Lys
His 225	Glu	Ala	Leu	Ser	Pro 230	Phe	Tyr	Ser	Glu	Arg 235	Leu	Lys	Glu	Ala	His 240
Val	Arg	Leu	Tyr	Pro 245	Ser	Ser	Arg	Cys	Thr 250	Ser	Gln	His	Leu	Leu 255	Asn
Arg	Thr	Val	Thr 260	Asp	Asn	Met	Leu	Cys 265	Ala	Gly	Asp	Thr	Arg 270	Ser	Gly

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<210> 14
<211> 343
<212> PRT
<213> Artificial Sequence
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<400>	14															
Ser	Glu	Gly	Asn	Ser	Asp	Thr	His	Ser	Leu	Thr	Glu	Ser	Gly	Ala	Ser	
1				5					10					15		
Cys	Leu	Pro	Trp	Asn	Ser	Met	Ile	Leu	Ile	Gly	Lys	Val	Tyr	Thr	Ala	
			20					25					30			
Gln	Asn	Pro	Ser	Ala	Gln	Ala	Leu	Gly	Leu	Gly	Lys	His	Asn	Tyr	Cys	
		35					40					45				
Arg	Asn	Pro	Asp	Gly	Asp	Ala	Lys	Pro	Trp	Cys	His	Val	Leu	Lys	Asn	
	50					55					60					
Arg	Arg	Leu	Thr	Trp	Glu	Tyr	Cys	Asp	Val	Pro	Ser	Cys	Ser	Thr	Cys	
65					70					75					80	
Gly	Leu	Arg	Gln	Tyr	Ser	Gln	Pro	Gln	Phe	Arg	Ile	Lys	Gly	Gly	Leu	
				85					90					95		
Phe	Ala	Asp	Ile	Ala	Ser	His	Pro	Trp	Gln	Ala	Ala	Ile	Phe	Ala	Lys	
			100					105					110			
His	Arg	Arg	Ser	Pro	Gly	Glu	Arg	Phe	Leu	Cys	Gly	Gly	Ile	Leu	Ile	
		115					120					125				
Ser	Ser	Cys	Trp	Ile	Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Glu	Arg	Phe	
	130					135					140					
Pro	Pro	His	His	Leu	Thr	Val	Ile	Leu	Gly	Arg	Thr	Tyr	Arg	Val	Val	
145					150					155					160	
Pro	Gly	Glu	Glu	Glu	Gln	Lys	Phe	Glu	Val	Glu	Lys	Tyr	Ile	Val	His	
				165					170					175		
Lys	Glu	Phe	Asp	Asp	Asp	Thr	Tyr	Asp	Asn	Asp	Ile	Ala	Leu	Leu	Gln	
			180					185					190			
Leu	Lys	Ser	Asp	Ser	Ser	Arg	Cys	Ala	Gln	Glu	Ser	Ser	Val	Val	Arg	
		195					200					205				



[illegible]

$\langle 211 \rangle$  343

<213> Art

<213> Artificial Sequence

<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule (modified)

Ser Glu Gly Asn Ser Asp Thr His Ser Leu Thr Glu Ser Gly Ala Ser  
1 5 10 15

Cys Leu Pro Trp Asn Ser Met Ile Leu Ile Gly Lys Val Tyr Thr Ala  
20 25 30

Gln Asn Pro Ser Ala Gln Ala Leu Gly Leu Gly Lys His Asn Tyr Cys  
35 40 45

Arg Asn Pro Asp Gly Asp Ala Lys Pro Trp Cys His Val Leu Lys Asn  
50 55 60

Arg Arg Leu Thr Trp Glu Tyr Cys Asp Val Pro Ser Ser Ser Thr Cys  
65 70 75 80

Gly Leu Arg Gln Tyr Ser Gln Pro Gln Phe Arg Ile Lys Gly Gly Leu  
85 90 95

Phe Ala Asp Ile Ala Ser His Pro Trp Gln Ala Ala Ile Phe Ala Lys  
100 105 110

His Arg Arg Ser Pro Gly Glu Arg Phe Leu Cys Gly Gly Ile Leu Ile  
115 120 125

Ser Ser Cys Trp Ile Leu Ser Ala Ala His Cys Phe Gln Glu Arg Phe  
130 135 140

Pro Pro His His Leu Thr Val Ile Leu Gly Arg Thr Tyr Arg Val Val  
145 150 155 160

Pro Gly Glu Glu Glu Gln Lys Phe Glu Val Glu Lys Tyr Ile Val His  
165 170 175

Lys Glu Phe Asp Asp Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu Gln  
180 185 190

Leu Lys Ser Asp Ser Ser Arg Cys Ala Gln Glu Ser Ser Val Val Arg  
195 200 205

Thr Val Cys Leu Pro Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr Glu  
210 215 220

Cys Glu Leu Ser Gly Tyr Gly Lys His Glu Ala Leu Ser Pro Phe Tyr  
225 230 235 240

Ser Glu Arg Leu Lys Glu Ala His Val Arg Leu Tyr Pro Ser Ser Arg  
245 250 255

Cys Thr Ser Gln His Leu Leu Asn Arg Thr Val Thr Asp Asn Met Leu  
260 265 270

Cys Ala Gly Asp Thr Arg Ser Gly Gly Pro Gln Ala Asn Leu His Asp  
275 280 285

Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Asn Asp Gly  
290 295 300

Arg Met Thr Leu Val Gly Ile Ile Ser Trp Gly Leu Gly Cys Gly Gln  
305 310 315 320

Lys Asp Val Pro Gly Val Tyr Thr Lys Val Thr Asn Tyr Leu Asp Trp  
325 330 335

Ile Arg Asp Asn Met Arg Pro  
340

<210> 16

<211> 308

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule (modified)

<400> 16

Ser Ala Gln Ala Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn Pro  
1 5 10 15

Asp Gly Asp Ala Lys Pro Trp Cys His Val Leu Lys Asn Arg Arg Leu  
20 25 30

Thr Trp Glu Tyr Cys Asp Val Pro Ser Cys Ser Thr Cys Gly Leu Arg  
35 40 45

Gln Tyr Ser Gln Pro Gln Phe Arg Ile Lys Gly Gly Leu Phe Ala Asp  
50 55 60

Ile Ala Ser His Pro Trp Gln Ala Ala Ile Phe Ala Lys His Arg Arg  
65 70 75 80

Ser Pro Gly Glu Arg Phe Leu Cys Gly Gly Ile Leu Ile Ser Ser Cys  
85 90 95

Trp Ile Leu Ser Ala Ala His Cys Phe Gln Glu Arg Phe Pro Pro His  
100 105 110

His Leu Thr Val Ile Leu Gly Arg Thr Tyr Arg Val Val Pro Gly Glu  
115 120 125

Glu Glu Gln Lys Phe Glu Val Glu Lys Tyr Ile Val His Lys Glu Phe  
130 135 140

Asp Asp Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu Gln Leu Lys Ser  
145 150 155 160

Asp Ser Ser Arg Cys Ala Gln Glu Ser Ser Val Val Arg Thr Val Cys  
165 170 175

Leu Pro Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr Glu Cys Glu Leu  
180 185 190

Ser Gly Tyr Gly Lys His Glu Ala Leu Ser Pro Phe Tyr Ser Glu Arg  
195 200 205

Leu Lys Glu Ala His Val Arg Leu Tyr Pro Ser Ser Arg Cys Thr Ser  
210 215 220

Gln His Leu Leu Asn Arg Thr Val Thr Asp Asn Met Leu Cys Ala Gly  
225 230 235 240

Asp Thr Arg Ser Gly Gly Pro Gln Ala Asn Leu His Asp Ala Cys Gln  
245 250 255

Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Asn Asp Gly Arg Met Thr  
260 265 270

Leu Val Gly Ile Ile Ser Trp Gly Leu Gly Cys Gly Gln Lys Asp Val  
275 280 285

Pro Gly Val Tyr Thr Lys Val Thr Asn Tyr Leu Asp Trp Ile Arg Asp  
290 295 300

Asn Met Arg Pro  
305

<210> 17

<211> 268

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of the  
recombinant K2S molecule (modified)

<400> 17

Ser Cys Ser Thr Cys Gly Leu Arg Gln Tyr Ser Gln Pro Gln Phe Arg  
1 5 10 15  
Ile Lys Gly Gly Leu Phe Ala Asp Ile Ala Ser His Pro Trp Gln Ala  
20 25 30  
Ala Ile Phe Ala Lys His Arg Arg Ser Pro Gly Glu Arg Phe Leu Cys  
35 40 45  
Gly Gly Ile Leu Ile Ser Ser Cys Trp Ile Leu Ser Ala Ala His Cys  
50 55 60  
Phe Gln Glu Arg Phe Pro Pro His His Leu Thr Val Ile Leu Gly Arg  
65 70 75 80  
Thr Tyr Arg Val Val Pro Gly Glu Glu Glu Gln Lys Phe Glu Val Glu  
85 90 95  
Lys Tyr Ile Val His Lys Glu Phe Asp Asp Asp Thr Tyr Asp Asn Asp  
100 105 110  
Ile Ala Leu Leu Gln Leu Lys Ser Asp Ser Ser Arg Cys Ala Gln Glu  
115 120 125  
Ser Ser Val Val Arg Thr Val Cys Leu Pro Pro Ala Asp Leu Gln Leu  
130 135 140  
Pro Asp Trp Thr Glu Cys Glu Leu Ser Gly Tyr Gly Lys His Glu Ala  
145 150 155 160  
Leu Ser Pro Phe Tyr Ser Glu Arg Leu Lys Glu Ala His Val Arg Leu  
165 170 175  
Tyr Pro Ser Ser Arg Cys Thr Ser Gln His Leu Leu Asn Arg Thr Val  
180 185 190  
Thr Asp Asn Met Leu Cys Ala Gly Asp Thr Arg Ser Gly Gly Pro Gln  
195 200 205  
Ala Asn Leu His Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val  
210 215 220  
Cys Leu Asn Asp Gly Arg Met Thr Leu Val Gly Ile Ile Ser Trp Gly  
225 230 235 240  
Leu Gly Cys Gly Gln Lys Asp Val Pro Gly Val Tyr Thr Lys Val Thr  
245 250 255  
Asn Tyr Leu Asp Trp Ile Arg Asp Asn Met Arg Pro  
260 265

<210> 18  
<211> 527  
<212> PRT  
<213> Homo sapiens (tPA)

<400> 18  
Ser Tyr Gln Val Ile Cys Arg Asp Glu Lys Thr Gln Met Ile Tyr Gln  
1 5 10 15

Gln His Gln Ser Trp Leu Arg Pro Val Leu Arg Ser Asn Arg Val Glu

	20						25						30					
Tyr	Cys	Trp 35	Cys	Asn	Ser	Gly	Arg 40	Ala	Gln	Cys	His	Ser 45	Val	Pro	Val			
Lys	Ser 50	Cys	Ser	Glu	Pro	Arg 55	Cys	Phe	Asn	Gly	Gly 60	Thr	Cys	Gln	Gln			
Ala 65	Leu	Tyr	Phe	Ser	Asp 70	Phe	Val	Cys	Gln	Cys 75	Pro	Glu	Gly	Phe	Ala 80			
Gly	Lys	Cys	Cys	Glu 85	Ile	Asp	Thr	Arg	Ala 90	Thr	Cys	Tyr	Glu	Asp 95	Gln			
Gly	Ile	Ser	Tyr 100	Arg	Gly	Thr	Trp	Ser 105	Thr	Ala	Glu	Ser	Gly 110	Ala	Glu			
Cys	Thr	Asn 115	Trp	Asn	Ser	Ser	Ala 120	Leu	Ala	Gln	Lys	Pro 125	Tyr	Ser	Gly			
Arg	Arg 130	Pro	Asp	Ala	Ile	Arg 135	Leu	Gly	Leu	Gly	Asn 140	His	Asn	Tyr	Cys			
Arg 145	Asn	Pro	Asp	Arg	Asp 150	Ser	Lys	Pro	Trp	Cys 155	Tyr	Val	Phe	Lys	Ala 160			
Gly	Lys	Tyr	Ser	Ser 165	Glu	Phe	Cys	Ser	Thr 170	Pro	Ala	Cys	Ser	Glu 175	Gly			
Asn	Ser	Asp	Cys 180	Tyr	Phe	Gly	Asn	Gly 185	Ser	Ala	Tyr	Arg	Gly 190	Thr	His			
Ser	Leu	Thr 195	Glu	Ser	Gly	Ala	Ser 200	Cys	Leu	Pro	Trp	Asn 205	Ser	Met	Ile			
Leu	Ile 210	Gly	Lys	Val	Tyr	Thr 215	Ala	Gln	Asn	Pro 220	Ser	Ala	Gln	Ala	Leu			
Gly 225	Leu	Gly	Lys	His	Asn 230	Tyr	Cys	Arg	Asn	Pro 235	Asp	Gly	Asp	Ala	Lys 240			
Pro	Trp	Cys	His	Val 245	Leu	Lys	Asn	Arg	Arg 250	Leu	Thr	Trp	Glu	Tyr 255	Cys			
Asp	Val	Pro	Ser 260	Cys	Ser	Thr	Cys	Gly 265	Leu	Arg	Gln	Tyr	Ser	Gln	Pro			
Gln	Phe 275	Arg	Ile	Lys	Gly	Gly	Leu 280	Phe	Ala	Asp	Ile	Ala 285	Ser	His	Pro			
Trp	Gln 290	Ala	Ala	Ile	Phe	Ala 295	Lys	His	Arg	Arg	Ser 300	Pro	Gly	Glu	Arg			
Phe 305	Leu	Cys	Gly	Gly	Ile 310	Leu	Ile	Ser	Ser	Cys 315	Trp	Ile	Leu	Ser	Ala 320			
Ala	His	Cys	Phe	Gln 325	Glu	Arg	Phe	Pro	Pro 330	His	His	Leu	Thr	Val 335	Ile			
Leu	Gly	Arg	Thr 340	Tyr	Arg	Val	Val	Pro 345	Gly	Glu	Glu	Glu	Gln 350	Lys	Phe			

Glu	Val	Glu 355	Lys	Tyr	Ile	Val	His 360	Lys	Glu	Phe	Asp	Asp 365	Asp	Thr	Tyr
Asp	Asn 370	Asp	Ile	Ala	Leu	Leu 375	Gln	Leu	Lys	Ser	Asp 380	Ser	Ser	Arg	Cys
Ala 385	Gln	Glu	Ser	Ser	Val 390	Val	Arg	Thr	Val	Cys 395	Leu	Pro	Pro	Ala	Asp 400
Leu	Gln	Leu	Pro	Asp 405	Trp	Thr	Glu	Cys	Glu 410	Leu	Ser	Gly	Tyr	Gly 415	Lys
His	Glu	Ala	Leu 420	Ser	Pro	Phe	Tyr	Ser 425	Glu	Arg	Leu	Lys	Glu 430	Ala	His
Val	Arg	Leu 435	Tyr	Pro	Ser	Ser	Arg 440	Cys	Thr	Ser	Gln	His 445	Leu	Leu	Asn
Arg	Thr 450	Val	Thr	Asp	Asn	Met 455	Leu	Cys	Ala	Gly	Asp 460	Thr	Arg	Ser	Gly
Gly 465	Pro	Gln	Ala	Asn	Leu 470	His	Asp	Ala	Cys	Gln 475	Gly	Asp	Ser	Gly	Gly 480
Pro	Leu	Val	Cys	Leu 485	Asn	Asp	Gly	Arg	Met 490	Thr	Leu	Val	Gly	Ile 495	Ile
Ser	Trp	Gly	Leu 500	Gly	Cys	Gly	Gln	Lys 505	Asp	Val	Pro	Gly	Val 510	Tyr	Thr
Lys	Val	Thr 515	Asn	Tyr	Leu	Asp	Trp 520	Ile	Arg	Asp	Asn	Met 525	Arg	Pro	